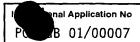


(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		of Transmittal of International Search Report		
WOP12751A ACTION (Form PCT/ISA/220) as well as, where applicable, item 5 below				
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)		
PCT/GB 01/00007	02/01/2001	07/01/2000		
Applicant				
SEIKO EPSON CORPORATION				
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Autransmitted to the International Bureau.	nority and is transmitted to the applicant		
This International Search Report consists X It is also accompanied by	of a total of sheets. a copy of each prior art document cited in this	report.		
Basis of the report				
	international search was carried out on the bas ess otherwise indicated under this item.	sis of the international application in the		
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation of the	he international application furnished to this		
was carried out on the basis of the	d/or amino acid sequence disclosed in the in a sequence listing: anal application in written form.	nternational application, the international search		
filed together with the international application in computer readable form.				
furnished subsequently to this Authority in written form.				
furnished subsequently to this Authority in computer readble form.				
the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.				
the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished				
2. Certain claims were fou	nd unsearchable (See Box I).			
3. Unity of invention is lack	king (see Box II).			
4. With regard to the title ,				
X the text is approved as su	• ''			
the text has been establis	hed by this Authority to read as follows:			
5. With regard to the abstract,				
X the text is approved as su	* **			
the text has been establis within one month from the	hed, according to Rule 38.2(b), by this Authorit date of mailing of this international search rep	y as it appears in Box III. The applicant may, oort, submit comments to this Authority.		
6. The figure of the drawings to be publi	ished with the abstract is Figure No.	1		
as suggested by the appli	cant.	None of the figures.		
because the applicant faile	•	·		
because this figure better	characterizes the invention.			



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L29/786 H01L21/336

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

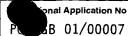
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	US 5 365 080 A (YAMAZAKI SHUNPEI ET AL) 15 November 1994 (1994-11-15) figures 2,4,5 column 2, line 3 - line 34 column 2, line 67 -column 6, line 42	1,5,8		
A	Cordini 2, Trile 07 Cordini 0, Trile 42	2-4,6,7, 9-12		
Α	US 5 382 537 A (NOGUCHI TAKASHI) 17 January 1995 (1995-01-17) figures 1-3 column 2, line 40 - line 48 column 3, line 4 -column 4, line 64	2,3		

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.		
Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the international filing date L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 		
Date of the actual completion of the international search	Date of mailing of the international search report		
27 February 2001	06/03/2001		
Name and mailing address of the ISA	Authorized officer		
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Polesello, P		

1



	P 38 01/0000/				
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.					
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.				
US 5 893 730 A (KOYAMA JUN ET AL) 13 April 1999 (1999-04-13) figures 1,3 column 2, line 12 -column 3, line 35 column 4, line 1 - line 20 column 5, line 60 -column 8, line 14	4-7,9-12				
US 5 498 904 A (HARATA YASUKI ET AL) 12 March 1996 (1996-03-12) figures 1,2,6,7 column 2, line 66 -column 3, line 30 column 3, line 57 -column 4, line 8 column 4, line 52 -column 6, line 4 column 11, line 11 -column 12, line 34	1-12				
PATENT ABSTRACTS OF JAPAN vol. 006, no. 185 (E-132), 21 September 1982 (1982-09-21) -& JP 57 099778 A (CITIZEN WATCH CO LTD), 21 June 1982 (1982-06-21) abstract; figures 1,2	1,8				
PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05, 30 April 1998 (1998-04-30) -& JP 10 012886 A (HITACHI LTD), 16 January 1998 (1998-01-16) abstract; figure 5	1-3				
	US 5 893 730 A (KOYAMA JUN ET AL) 13 April 1999 (1999-04-13) figures 1,3 column 2, line 12 -column 3, line 35 column 4, line 1 - line 20 column 5, line 60 -column 8, line 14 US 5 498 904 A (HARATA YASUKI ET AL) 12 March 1996 (1996-03-12) figures 1,2,6,7 column 2, line 66 -column 3, line 30 column 3, line 57 -column 4, line 8 column 4, line 52 -column 6, line 4 column 11, line 11 -column 12, line 34 PATENT ABSTRACTS OF JAPAN vol. 006, no. 185 (E-132), 21 September 1982 (1982-09-21) -& JP 57 099778 A (CITIZEN WATCH CO LTD), 21 June 1982 (1982-06-21) abstract; figures 1,2 PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05, 30 April 1998 (1998-04-30) -& JP 10 012886 A (HITACHI LTD), 16 January 1998 (1998-01-16)				

on patent family members

ional Application No P GB 01/00007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5365080	A	15-11-1994	JP 4267563 A JP 8028520 B US 5930608 A	24-09-1992 21-03-1996 27-07-1999
US 5382537	Α	17-01-1995	JP 6029320 A	04-02-1994
US 5893730	А	13-04-1999	JP 11087243 A JP 9289166 A JP 2000228361 A US 6133073 A	30-03-1999 04-11-1997 15-08-2000 17-10-2000
US 5498904	A	12-03-1996	JP 7288227 A	31-10-1995
JP 57099778	Α	21-06-1982	JP 1584594 C JP 2007177 B	22-10-1990 15-02-1990
JP 10012886	Α	16-01-1998	NONE	

(19) World Intellectual Property Organization International Bureau



) (1866) 1866) 1876) 1876) 1876) 1876 | 1876 | 1876 | 1876 | 1876 | 1876 | 1876 | 1876 | 1876 | 1876 | 1876 |

(43) International Publication Date 12 July 2001 (12.07.2001)

PCT

(10) International Publication Number WO 01/50538 A1

(51) International Patent Classification⁷: H01L 29/786, 21/336

(21) International Application Number: PCT/GB01/00007

(22) International Filing Date: 2 January 2001 (02.01.2001)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0000376.4

7 January 2000 (07.01.2000) GB

- (71) Applicant (for all designated States except US): SEIKO EPSON CORPORATION [JP/JP]; 4-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo 163-0811 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): YUDASAKA, Ichio [JP/JP]; Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502 (JP). MIYASAKA, Mitsutoshi [JP/JP]; Seiko Epson Corporation, 3-5, Owa 3-Chome, Suwa-shi, Nagano-ken 392-8502 (JP). MIGLIORATO, Piero [GB/GB]; Epson Cambridge Laboratory, 8c King's Parade, Cambridge CB2 1SJ (GB).

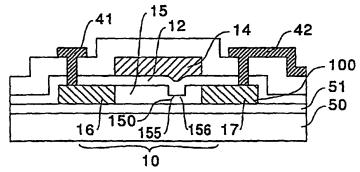
- (74) Agent: STURT, Clifford, Mark; Miller Sturt Kenyon, 9 John Street, London WC1N 2ES (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A THIN FILM TRANSISTOR AND A METHOD FOR MANUFACTURING THEREOF



(57) Abstract: In TFT (10), the channel region (15) towering over the gate electrode (14) through the gate insulation film (12), the source region (16) connecting to the channel (15) and the drain region (17) connecting to the channel region (15) on the opposite side of the source region (16) are formed on the polycrystal semiconductor film (100) on which island-like patterning is performed. An indented section (155) is formed on the surface of the channel region (15), and the section corresponding to the indented section (155) becomes the recombination center (150) which captures the small-number carrier (holes) because

the degree of the crystallization is low in the section corresponding to the indented section (155) due to shift from the optimum conditions at the time of laser annealing of the semiconductor (100). Thus the invention provides a TFT and its production method which enable the stabilizing of saturation current and improving reliability by improving the film quality of the channel region.

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L29/786 H01L21/336

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS	CONSIDERED	TO BE	RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 365 080 A (YAMAZAKI SHUNPEI ET AL) 15 November 1994 (1994-11-15) figures 2,4,5 column 2, line 3 - line 34	1,5,8
A	column 2, line 67 -column 6, line 42	0.4.6.7
		2-4,6,7, 9-12
A	US 5 382 537 A (NOGUCHI TAKASHI) 17 January 1995 (1995-01-17) figures 1-3	2,3
	column 2, line 40 - line 48 column 3, line 4 -column 4, line 64	
	4, Tine 64	
	-/	

Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance E earlier document but published on or after the international filing date L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another cliation or other special reason (as specified) O document referring to an oral disclosure, use, exhibition or other means P dosument published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 27 February 2001	Date of mailing of the international search report 06/03/2001
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Polesello, P



internal Application No
PCT 01/00007

		PC 1, 01/0000/			
C.(Continu	C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to ctalm N	lo.		
A	US 5 893 730 A (KOYAMA JUN ET AL) 13 April 1999 (1999-04-13) figures 1,3 column 2, line 12 -column 3, line 35 column 4, line 1 - line 20 column 5, line 60 -column 8, line 14	4-7,9-1	12		
A	US 5 498 904 A (HARATA YASUKI ET AL) 12 March 1996 (1996-03-12) figures 1,2,6,7 column 2, line 66 -column 3, line 30 column 3, line 57 -column 4, line 8 column 4, line 52 -column 6, line 4 column 11, line 11 -column 12, line 34	1-12			
A	PATENT ABSTRACTS OF JAPAN vol. 006, no. 185 (E-132), 21 September 1982 (1982-09-21) -& JP 57 099778 A (CITIZEN WATCH CO LTD), 21 June 1982 (1982-06-21) abstract; figures 1,2	1,8			
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05, 30 April 1998 (1998-04-30) -& JP 10 012886 A (HITACHI LTD), 16 January 1998 (1998-01-16) abstract; figure 5	1-3			

Information atent family members

PCT 01/00007

				-
Patent document cited in search report	nt .	Publication date	Patent family member(s)	Publication date
US 5365080	A	15-11-1994	JP 4267563 A JP 8028520 B US 5930608 A	24-09-1992 21-03-1996 27-07-1999
US 5382537	A	17-01-1995	JP 6029320 A	04-02-1994
US 5893730	A	13-04-1999	JP 11087243 A JP 9289166 A JP 2000228361 A US 6133073 A	30-03-1999 04-11-1997 15-08-2000 17-10-2000
US 5498904	Α	12-03-1996	JP 7288227 A	31-10-1995
JP 57099778	Α	21-06-1982	JP 1584594 C JP 2007177 B	22-10-1990 15-02-1990
JP 10012886	A	16-01-1998	NONE	

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	PCT .			
MILLER STURT KENYON Attn. Sturt, Clifford Mark 9 John Street London WC1N 2ES UNITED KINGDOM MILLER STURT	(PCT Rule 44.1)			
,	Date of mailing (day/month/year) 06/03/2001			
Applicant's or agent's file reference WOP12751A	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/GB 01/00007	International filing date (day/month/year) 02/01/2001			
SEIKO EPSON CORPORATION				
The applicant is hereby notified that the International Search Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim				
When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.				
Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35				
For more detailed instructions, see the notes on the accompanying sheet.				
2. The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.				
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:				
	n transmitted to the International Bureau together with the est and the decision thereon to the designated Offices.			
no decision has been made yet on the protest; the appl	licant will be notified as soon as a decision is made.			
4. Further action(s): The applicant is reminded of the following:				
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.				
Within 19 months from the priority date, a demand for international wishes to postpone the entry into the national phase until 30 months.	al preliminary examination must be filed if the applicant nths from the priority date (in some Offices even later).			
Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.				
Name and mailing address of the International Searching Authority	Authorized officer			
European Patent Office, P.B. 5818 Patentiaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Audrey Rummery			

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	(Form PCT/ISA/	of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
WOP12751A	ACTION	
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/GB 01/00007	02/01/2001	07/01/2000
Applicant		
SEIKO EPSON CORPORATION		
SEIRO EFSON CORFORATION		
This International Search Report has bee according to Article 18. A copy is being tr	n prepared by this International Searching Autansmitted to the International Bureau.	thority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	of a total of sheets. a copy of each prior art document cited in this	s report.
Basis of the report		
	international search was carried out on the ba less otherwise indicated under this item.	sis of the international application in the
the international search w Authority (Rule 23.1(b)).	vas carried out on the basis of a translation of	the international application furnished to this
b. With regard to any nucleotide ar was carried out on the basis of the		nternational application, the international search
	onal application in written form.	·
filed together with the inte	ernational application in computer readable for	m.
furnished subsequently to	this Authority in written form.	
furnished subsequently to	this Authority in computer readble form.	
	osequently furnished written sequence listing one is the sequence listing of t	does not go beyond the disclosure in the
the statement that the infe	ormation recorded in computer readable form i	s identical to the written sequence listing has been
2. Certain claims were fou	nd unsearchable (See Box I).	
3. Unity of invention is lac	king (see Box II).	
4. With regard to the title,		
the text is approved as su	• • • • • • • • • • • • • • • • • • • •	
the text has been establis	hed by this Authority to read as follows:	
5. With regard to the abstract,		·
the text is approved as su	hmitted by the applicant	
the text has been establis	• • • • • • • • • • • • • • • • • • • •	ity as it appears in Box III. The applicant may, port, submit comments to this Authority.
6. The figure of the drawings to be public		1
X as suggested by the appli	cant.	None of the figures.
because the applicant fail	ed to suggest a figure.	
because this figure better	characterizes the invention.	

International Application No PCT/GB 01/00007

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L29/786 H01L21/336

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7-H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
x V	US 5 365 080 A (YAMAZAKI SHUNPEI ET AL) / 15 November 1994 (1994-11-15) figures 2,4,5 column 2, line 3 - line 34 column 2, line 67 -column 6, line 42	1,5,8	
A	·	2-4,6,7, 9-12	
A	US 5 382 537 A (NOGUCHI TAKASHI)/ 17 January 1995 (1995-01-17) figures 1-3 column 2, line 40 - line 48 column 3, line 4 -column 4, line 64/	2,3	

X Furt	her documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
'A' docume consic 'E' earlier of filing of 'L' docume which citation' 'O' docume other other 'P' docume	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the ctairned invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the ctairned invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
	actual completion of the international search 7 February 2001	Date of mailing of the international search report 06/03/2001
Name and r	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Polesello, P



International Application No PCT/GB 01/00007

		PCI/GB 0.	
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
A	US 5 893 730 A (KOYAMA JUN ET AL) 13 April 1999 (1999-04-13) figures 1,3 column 2, line 12 -column 3, line 35 column 4, line 1 - line 20 column 5, line 60 -column 8, line 14		4-7,9-12
4 √∫	US 5 498 904 A (HARATA YASUKI ET AL) 12 March 1996 (1996-03-12) figures 1,2,6,7 column 2, line 66 -column 3, line 30 column 3, line 57 -column 4, line 8 column 4, line 52 -column 6, line 4 column 11, line 11 -column 12, line 34		1-12
A /	PATENT ABSTRACTS OF JAPAN vol. 006, no. 185 (E-132), 21 September 1982 (1982-09-21) -& JP 57 099778 A (CITIZEN WATCH CO LTD), 21 June 1982 (1982-06-21) abstract; figures 1,2		1,8
	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05, 30 April 1998 (1998-04-30) -& JP 10 012886 A (HITACHI LTD), 16 January 1998 (1998-01-16) abstract; figure 5		1-3
		•	
			-



Information on patent family members

International Application No PCT/GB 01/00007

I .	Patent document ed in search report		Publication date	Patent family member(s)	Publication date
บร	5 5365080	А	15-11-1994	JP	24-09-1992 *- 21-03-1996 27-07-1999
US	5 5382537	A	17-01-1995	JP √6029320 A∕	04-02-1994
us	5 5893730	Α ΄	13-04-1999	JP \(\) 11087243 A\(\) JP \(\) 9289166 A\(\) JP 2000228361 A\(\) US 6133073 A\(\)	30-03-1999 04-11-1997 15-08-2000 17-10-2000
US	5498904	Α	12-03-1996	JP ∨ 7288227`A.∕	31-10-1995
JP	57099778	Α	21-06-1982	JP 1584594 C JP 2007177 B) '*	22-10-1990 15-02-1990
VJP	10012886	Α	16-01-1998	NONE	